& Vicinity Water District

2007 Annual Water **Quality Report**





Sea Breeze & Vicinity Water **District**

ID# 2701118



2007 Annual Water Supply Statement

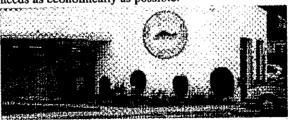
The Sea Breeze & Vicinity Water District is pleased to provide this information in conformance with New York State and EPA annual water quality report requirements. The statement includes information on water quality, quantity, treatment, conservation, and State Health Department public education information.

The Sea Breeze & Vicinity Water District was created to finance, construct, operate and maintain a water supply system for the benefit of the residents of Sea Breeze and the surrounding area.

The District was originally created on March 30, 1914, upon petition of the residents filed during the previous month. The layout of the District and the water supply system was submitted to the Conservation Commission in April 1914, and was approved by them. A charter was granted and the District was officially formed. The District is to have three elected non-political Commissioners, separate from the Town Board, and their terms of office so staggered that one of the Commissioners terms would be up for re-election each year, though each term of office would be for four years.

Water that is used within the District is purchased from the Monroe County Water Authority.

A complete staff is maintained 24 hours a day and is fully equipped to handle any emergency. The Commission is constantly seeking ways and means of furnishing adequate pure water for all domestic and fire fighting needs as economically as possible.



2007 Data Summary Sea Breeze & Vicinity Water District FREE CHLORINE TURBIDITY

Avg. 0.08 Avg. 0.5 Min. 0.04 Min. 0.1 Max. I.0 Max. 0.4 # Of Samples: 124 # Of Samples: 124 Highest Coliform Positive month

October (1 of 10) !0%

Water Ouality

Drinking water sources (both tap and bottled water) include lakes, reservoirs, rivers and streams, springs and wells. As water travels over land or through the ground, it dissolves ** naturally occurring minerals and can pick up substances resulting from animal or human activity. Contaminants that may be present in untreated water include inorganic and organic chemicals, pesticides and herbicides, and radioactive and microbiological contaminants.

In order to ensure that your tap water is safe to drink, the State and the EPA have established regulations that set limits on contaminant levels in water provided by public water systems. These limits are known by Maximum Contaminant Levels (MCLs). The EPA regulations also specify testing, reporting, and public notification requirements for each contaminant.

MCWA's monitoring program substantially exceeds EPA and State Health Department requirements. In addition, the Monroe County Health Department reviews all of our operating and monitoring data for compliance and independently monitors our distribution system. Our water source is surface water drawn from Lake Ontario. It is first filtered and disinfected by the MCWA's (Monroe County Water Authority) Shoremont Treatment Plant located in the Town of Greece. In 2007, as in years past, there were no treatment plant violations, distribution system violations or any restriction of our water source. The water we provide to our customers consistently meets or exceeds all State Health Department and EPA drinking water standards.

Some of the constituents we tested for were detected, but at levels well below the allowable MCL. A table of detected contaminants is provided on the following page (See Water Quality Table). A more detailed summary of our monitoring program can be found by unfolding this pamphlet. It's important to remember all drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. Additional information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

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Some people may be more vulnerable to diseasecausing microorganisms or pathogens in drinking water that the general popula-



tion. Immuno-compromised persons such as chemotherapy patients, organ transplant recipients, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice from their health care providers about drinking water. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium, Giardia, and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791) or the Monroe County Health Department, 111 Westfall Road, Rochester, NY 14692 (753-5057).

Taste and Odor

In recent years we have experienced late summer algaerelated taste and odor problems in the Ontario supply. In 1999, after several years of study and research, the M.C.W.A. installed granular activated carbon in a third of the filters at the Shoremont Plant. The results were so encouraging another third of the plant was converted in 2000. Also, the remaining third was converted in 2003. Our experience indicates this should dramatically reduce or eliminate this problem in the future.

You may notice a chlorinous taste and odor in your water. Although some people may find this objectionable, we're required to maintain chlorine residual in the distribution system to prevent the growth of bacteria. Simply storing water drawn from your tap in a container overnight in your refrigerator will eliminate or reduce the taste. Alternatively, an inexpensive carbon filter will do the same thing but they should be replaced regularly.

Softeners

Water hardness is a measure of the mineral content of water. Our water, which has a Total Hardness of between 5.6 and 7.6 grains per gallon, is considered "moderately hard". This is one notch up from "soft" on the standard scale - a water softener isn't necessary.

Home Treatment Units

Don't let anyone pressure you into buying something by telling you your water is not safe. The water we provide to you is consistently better than drinking water regulations require.

Conservation

Lake Ontario is our direct connection to the Great Lakes which contain 20% of the world's fresh water. Even with this abundance, we need to use water wisely. It takes energy and resources to treat and deliver the water to your home. Fixing leaky faucets and toilets or watering your lawn at night instead of during the day can save thousands of gallons of water over the course of a year. If you're interested in water saving tips call our Customer Service Department at 467-6341.

Key Terms Used In Water Quality Table

MCL = Maximum Conteminant Level, the highest level of a contaminant that is allowed in chinking tester. MCLs are set as close to the MCLSs as possible.

MCLG = Maximum Contaminant Level Goal, the level of a contaminant below which there is no know for expected risk to health. MCLGs allow for a margin of safety.

MRDL = Maximum Recidual Lavel, the highest level of a disinfectant allowed in crinking water. There

MRDLG = Maximum Residual Districtiont Level Goal, the level of a drinking water disinfectant below which there is no known or expected risk to health, MRDLGs do not reflect the benefits of the use of districtions to control microbial contamination.

TT = Treatment Yechnique, a required process intended to reduce the level of a contaminant in trinking water.

AL = Action Level, the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

ND = Not Detected, absent or present at less than testing method detection level. All testing methods

MA = Not applicable HR = Not Required HS = No standard

ngil = milligram (1/1,000 of a gram) per liter = ppm = parts per million

Molt = microgram (£11,000,000 of a gram) per liter = ppb = parts per billion

MTU = Haphalometric Turbidity Unit, a measure of water clarity.

Note: The following conteminants were tested for:

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A more detailed summary of MCWA's monitoring program is available on the web at www.mcwa.com or through MCWA Customer Service at 585-442-7200.

2007 SBWD Statistics

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Average System Use	650,000 Gallons Per Day
Total Produced	240 Million Gallons
Unaccounted For Water*	6,000 Gallons Per Day
Cost Per 1,000 Gallons	\$2.49
Population Served	9,900
Number of Accounts	3,129
Miles of Water Main	80
Number of Fire Hydrants	270

^{*}Maintenance, Flushing, Firefighting, Leaks

Water Quality Table MCWA Wholesale Customers

Town of Batavia, Village of Brockport, Town of Clarendon, Village of Hilton, Village of Holley, Town of Murray, City of Rochester, Sea Breeze W.D.

Supply (Source)				Shoremont WTP (L. Ontario)		
Substances	Units	MCLG	MCL	Range of detected values	Likely Source	Meets EPA Standards
Arsenic	ug/L	NA	10	ND - 1.1	Erosion of natural deposits	Yes
Barium	mg/L	2	2	0.020 - 0.021	Erosion of natural deposits	Yes
Chloride	mg/L	NA	250	21 - 26	Naturally occurring	Yes
Fluoride	mg/L	NA	2.2	0.2-1.2	Natural and additive which promotes strong teeth	Yes
Nitrate	mg/L	10	10	0.28 - 0.40	Erosion of natural deposits	Yes
Silver	ug/L	NA	100	ND - 0.75	Naturally occurring	Yes
Sodium	mg/L	NA	NS	13 - 14	Naturally occurring	Yes
Sulfate	mg/L	NA	250	29	Naturally occurring	Yes
Freatment Requirements - 95% is a measure of water clarity ar	of samp	es each r	nonth n	nust be less than 0. on performance.	3 NTU. 100% of samples were	less than 0.3 NTUs. Turbidity
Furbidity - Entry Point	NTUs	NA.	π	0.03 - 0.10 100%	Soil runoff	Yes
Disinfectant and Disinfectant E	y-produc ctant resi	ts (DBPs) dual Leve	- Avera	age and Range are for chlorine are bot	isted. * The MDRL (Maximum i	Disinfectant Residual Level)
Total THMs	ug/L	NA	80	33 (14 – 54)	By-product of water chlorination	Yes
-laloacetic Acids (HAA5)	ug/L	NA	60	9 (3 – <u>2</u> 3)	By-product of water chlorination	Yes
ead and Copper - 90% of sam Lare listed.	ples mus	t be less t	than the	Action Level (AL).	90th Percentile value and the	number of samples exceeding
Copper (Customer Tap Samples)	mg/L	1.3	AL=1.3	0.091 None (2006)	Corrosion of household plumbing	Yes
ead (Customer Tap Samples)	ug/L	0	AL=15	4.8	Corrosion of household plumbing	Yes

NEW YORK STATE WATER ASSESMENT PROGRAM

The NYS DOH has evaluated the susceptibility of water supplies statewide to potential contamination under the source water assessment program (SWAP). The assessment for M.C.W.A.'s Lake Ontario source did not find any noteworthy potential threats of contamination. While an inventory of the land area near the Lake Ontario intakes found numerous potential sources of contamination, The intakes are far enough from shore to not be directly impacted by shoreline activities. Because storm and wastewater contamination remain potential threats to any source water, the water provided to you undergoes rigorous treatment and testing prior to its delivery. For more information on the SWAP summary and how you can help protect the source of drinking water visit www.mcwa.com

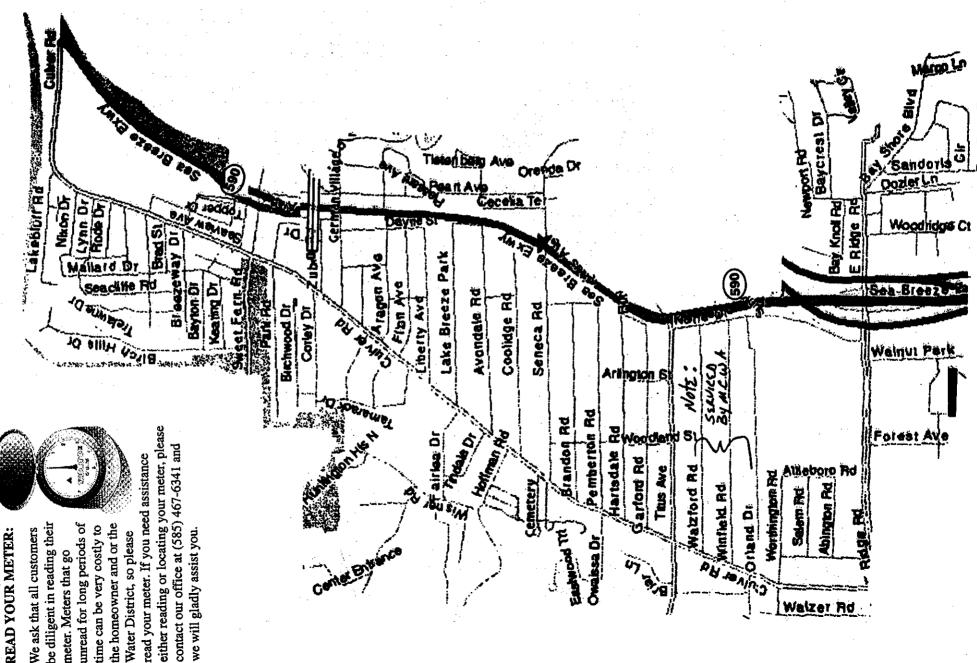
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BOARD OF WATER COMMISSIONERS

VICE-CHAIRMAN SECRETARY CHARIMAN

ROBERT CUDZILO JERROLD PLATT RICHARD STEIN

MAP OF SERVICE AREA



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WHY SAVE WATER AND HOW TO AVOID WASTING IT:

Although our system has an adequate amount of water to meet present and future demands, there are a number of reasons why it is important to conserve water. For example: Saving water saves energy and some of the costs associated with both of these necessities of life.

Saving water reduces the cost of energy required to pump water and the need to construct costly new wells,

Saving water lessens the strain on the water system during a dry spell or drought, helping to avoid severe water use restrictions so that essential fire fighting needs are met. pumping systems and water towers.

You can play a role in conserving water by becoming conscious of the amount of water your household is using and for looking for ways to use less whenever you can. It is not hard to conserve water.

Conservations tips include: Automatic dishwashers use 15 gallons every cycle, regardless of how many dishes are loaded. So get a nm

for your money and load it to capacity.

Turn off the tap when you are brushing your teeth.

Check every faucet in your home for leaks. Just a slow drip can waste 15 to 20 gallons a day. Fixing drips alone could save over 6,000 gallons a year (approximately \$30.00).

Check your toilets for leaks. This can be done by putting a few drops of food coloring in the tank watch for a few minutes and if the color appears in the bowl then the toilet is leaking. Toilets can lose up to 100 a few minutes and if these invisible leaks. Fix the leak and you be saving up to 30,000 gallons in one year (approximately \$95.00).

Use your water meter to detect leaks. Simply turn off all taps and water using appliances in the evening before bed and take a meter read. When you wake in the morning get another reading and see if the amount

SYSTEM IMPROVEMENTS:

In 2007, the Water District replaced approximately 600° of 6" water main on Bay Crest Drive. The purpose of this project was to increase volume, provide greater fire protection and the need to eliminate service calls in the area. All the water services were renewed with copper and tied over to the new main in that section. The District also continued to replace old galvanized water services and main line valves. The District

continued to repair and or replace fire hydrants that were not operating properly.

In 2008, District improvements include: Installing new valves at various locations to help eliminate costs associated with water main breaks and to help reduce any property damage that may occur as a result. This will allow us to isolate smaller sections of water main, putting fewer customers out of water while making these repairs. Other system improvements include: Water service renewals to eliminate old galvanized lines and we will continue to operate, inspect and replace (if needed) fire hydrants throughout the year.

DESCRIPTION OF SERVICES:

Below is a list of services that the Water District provides its residents at no cost. Most other water districts charge for these services including the Monroe County Water Authority.

SERVICE	
Meter test at customers request	20.00
Cocons maters	\$0.00 \$0.00
Dedaction and American	\$0.00
Tellipolary water service	\$0.00
Laukei supply	\$0.00
Discontinuance for month transfer	20.00
Discontinuance for unpaid water	9
Water sample at customers request	90 95
Water sample pick up	00.05
New account fee	00.00
Well separation. Maintaining a well on your property.	90.0¢

SERVICE CALLS:

would like one of our service people at your home. We know and understand that we all have very busy schedules and making a customer stay home for upwards of half a day (like many other utility companies) waiting for a service person is not acceptable. We are very proud of the customer service that we are able to The Sea Breeze & Vicinity Water District will make every attempt to cater to a specific time that you

CLOSING:

The Sea Breeze & Vicinity Water District has always prided itself on outstanding customer service. We ask that if any resident has any issue that needs to be addressed that you contact the District directly. As part of an ongoing commitment, the Board of Commissioners is constantly seeking ways to cut costs to the District residents. In the past 12 years it has been policy to use District personnel for all improvement projects saving the District revenue. This policy allows the Water District to keep its rates very low. The District has the lowest rate of any Water District in the area (\$2.49 per 1,000 gallons) including the Monroe County Water Authority. In order to keep our rates so low, it's important that the meters are read on a regular basis. Our personnel reads 1/3 of the District every year, meaning that District personnel reads the entire

District every three years.

The Sea Breeze & Vicinity Water District would like to thank you for letting us continue to provide your family with quality drinking water. We ask that all customers help us protect our water resources, which are the heart of our community. If you have any questions about this report or about your bill, please call our customer service department at (585) 467-6341.

Superintendent Thank you,